

Amendment to the Specification

Please insert the Sequence Listing submitted herewith at the end of the application, after the abstract.

Please replace the paragraphs from page 10, line 31 to page 12, line 10, with the following amended paragraphs:

Figure 2 provides a sequence alignment between the predicted heavy chain amino acid sequences from the clones 4.1.1 (SEQ ID NO: 74), 4.8.1 (SEQ ID NO: 75), 4.14.3 (SEQ ID NO: 78), 6.1.1 (SEQ ID NO: 79), 3.1.1 (SEQ ID NO: 73), 4.10.2 (SEQ ID NO: 76), 4.13.1 (SEQ ID NO: 77), 11.2.1 (SEQ ID NO: 80), 11.6.1 (SEQ ID NO: 81), 11.7.1 (SEQ ID NO: 82), 12.3.1.1 (SEQ ID NO: 83), and 12.9.1.1 (SEQ ID NO: 84) and the germline DP-50 (3-33) amino acid sequence (SEQ ID NO: 72). Differences between the DP-50 germline sequence and that of the sequence in the clones are indicated in bold. The Figure also shows the positions of the CDR1, CDR2, and CDR3 sequences of the antibodies as shaded.

Figure 3 provides a sequence alignment between the predicted heavy chain amino acid sequence of the clone 2.1.3 (SEQ ID NO: 86) and the germline DP-65 (4-31) amino acid sequence (SEQ ID NO: 85). Differences between the DP-65 germline sequence and that of the sequence in the clone are indicated in bold. The Figure also shows the positions of the CDR1, CDR2, and CDR3 sequences of the antibody as underlined.

Figure 4 provides a sequence alignment between the predicted kappa light chain amino acid sequence of the clones 4.1.1 (SEQ ID NO: 88), 4.8.1 (SEQ ID NO: 89), 4.14.3

(SEQ ID NO: 90), 6.1.1 (SEQ ID NO: 91), 4.10.2 (SEQ ID NO: 92), and 4.13.1 (SEQ ID NO: 93) and the germline A27 amino acid sequence (SEQ ID NO: 87). Differences between the A27 germline sequence and that of the sequence in the clone are indicated in bold. The Figure also shows the positions of the CDR1, CDR2, and CDR3 sequences of the antibody as underlined. Apparent deletions in the CDR1s of clones 4.8.1, 4.14.3, and 6.1.1 are indicated with "0s".

Figure 5 provides a sequence alignment between the predicted kappa light chain amino acid sequence of the clones 3.1.1 (SEQ ID NO: 95), 11.2.1 (SEQ ID NO: 96), 11.6.1 (SEQ ID NO: 97), and 11.7.1 (SEQ ID NO: 98) and the germline 012 amino acid sequence (SEQ ID NO: 94). Differences between the 012 germline sequence and that of the sequence in the clone are indicated in bold. The Figure also shows the positions of the CDR1, CDR2, and CDR3 sequences of the antibody as underlined.

Figure 6 provides a sequence alignment between the predicted kappa light chain amino acid sequence of the clone 2.1.3 (SEQ ID NO: 112) and the germline A10/A26 amino acid sequence (SEQ ID NO: 99). Differences between the A10/A26 germline sequence and that of the sequence in the clone are indicated in bold. The Figure also shows the positions of the CDR1, CDR2, and CDR3 sequences of the antibody as underlined.

Figure 7 provides a sequence alignment between the predicted kappa light chain amino acid sequence of the clone 12.3.1 (SEQ ID NO: 114) and the germline A17 amino acid sequence (SEQ ID NO: 113). Differences between the A17 germline sequence and that of the sequence in the clone are indicated in bold. The Figure also shows the positions of the CDR1, CDR2, and CDR3 sequences of the antibody as underlined.

Figure 8 provides a sequence alignment between the predicted kappa light chain amino acid sequence of the clone 12.9.1 (SEQ ID NO: 116) and the germline A3/A19 amino acid sequence (SEQ ID NO: 115). Differences between the A3/A19 germline sequence and that of the sequence in the clone are indicated in bold. The Figure also shows the positions of the CDR1, CDR2, and CDR3 sequences of the antibody as underlined.

Please replace line 21 on page 57 of the specification with the following amended line:

OM-CTLA4-IgG1 Fusion Protein (SEQ ID NO: 100).

Please replace the paragraph on page 59, line 25 to page 60, line 4 with the following amended paragraph:

The purified CTLA-4-IgG1 migrated as a single band on SDS-PAGE using colloidal coomassie staining (Novex). Under non-reducing conditions CTLA-4-IgG1 was a dimer (100kDa), that reduced to a 50kDa monomer when treated with 50mM DTT. Amino acid sequencing of the purified CTLA-4-IgG1 in solution confirmed the N-terminus of CTLA-4 (MHVAQPAVVLAS) (SEQ ID NO: 101), and that the oncostatin-M signal peptide was cleaved from the mature fusion protein. The CTLA-4-IgG1 bound to immobilized B7.1-IgG in a concentration dependent manner and the binding was blocked by a hamster-anti-human anti-CTLA-4 antibody (BNI3: PharMingen). The sterile CTLA-4-IgG was endotoxin free and quantitated by OD280 using 1.4 as the extinction coefficient. The yield of purified CTLA-4-IgG ranged between 0.5-3mgs/liter of CHO-K1 cells.

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Preliminary Amendment Dated July 9, 2004

Please replace line 8 on page 60 of the specification with the following amended line:

The following CTLA-4 peptide (SEQ ID NO: 102) was prepared as described below: